U.S. Patent and Trademark Office; U.S. Department of Commerce Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number. 10/666.647 Substitute for form 1449/PTO Application Number March 19, 2004 Filing Date INFORMATION DISCLOSURE First Named Inventor Young-Dae Lee STATEMENT BY APPLICANT 2152 Art Unit **Examiner Name** HOANG, HIEU T. (Use as many sheets as necessary) 2101-3053 Attorney Docket Number Sheet 1 of **U.S. PATENT DOCUMENTS** Pages, Columns, Lines, **Publication** Name of Patentee or Where Relevant Passages or Cite **Document Number** Examiner Applicant of Cited Document Relevant Figures Appear Initials No. Number-Kind Code (if known) Date FOREIGN PATENT DOCUMENTS Pages Columns, Lines, Where Relevant Passages Publication Foreign Patent Document Or Relevant Figures Τø Country Code Number Kind Date Name of Patentee or Examiner Code (if known) MM-DD-YYYY Applicant of Cited Document Appear Initials* Cite No. NOKIA /HH/ **TELECOMMUNICATIONS** WO 98/25422 06-11-1998 OTHER PATENT DOCUMENTS

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Relevant Figures Appear			
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/HH/ WO 00/60795 10/12/2000 Nokia Mobile Phones Ltd.			
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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)			Docket Number (Optional) 2101-3053		Application Number 10/666,647	
			Applicant Seung June Yi; Young Dae Lee; So Young Lee			
			Filing Date September 19, 2003		Group Art Unit -Unknown 2\52	
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/HH/	WO 00/60785 /	10-12-2000	PCT	H04J	3/16	
/HH/	2001-298407 /	10-26-2001	Japan	H04B	7/26	Yes, Abstract
/HH/ /	10-203-28593 A	04-10-2003	Korea	H04B	7/00-	Yes, Abstract
/HH/	10-2003-32875 A	04-26-2003	Korea	H04B	7/26	Yes, Abstract
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